

AMENDMENT TO THE DRAWINGS

Please replace the original Fig. 7 with the enclosed replacement page. The present amendment changes the word, "SEGOR", in step S310, to "SENSOR", in order to address the objection to the drawings as set forth by the Examiner.

REMARKS

Claims 1-21 are pending in the present patent application. Claims 15-21 are allowed. Claims 1, 2, 6, and 7 stand rejected; and claims 3-5 and 8-14 stand objected to. By this amendment, claims 1, 4, 5, 8, and 10 have been amended, and claim 3 has been canceled. This application continues to include claims 1-21.

The Examiner has objected to claims 3-5 and 8-14 as being dependent upon a rejected base claim, but has indicated that claims 3-5 and 8-14 contain allowable subject matter, and would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants thank the Examiner for the indication of allowability regarding claims 3-5 and 8-14. Applicants have amended claim 1 to include the subject matter of claim 3, have canceled claim 3. In addition, Applicants have amended claims 4, 5, 8, and 10 to incorporate the subject matter of original claim 1. Accordingly, Applicants believe claims 1, 4, 5, and 8-14 to be in condition for allowance.

The Examiner has objected to Fig. 7, and has required that the word, "SENR" in step S310 be replaced with the word, "SENSOR". As set forth above, Applicants have so amended Fig. 7, and accordingly request the Examiner to withdraw the objection to Fig. 7.

Applicants have also provided replacement paragraphs for the three paragraphs beginning on page 6, line 14, and ending on page 7, line 4 of Applicants' specification in order to correct inadvertent typographical errors.

Claims 1 and 6 were rejected under 35 U.S.C. §102(a) as being anticipated by Lee, U.S. Patent No. 6,353,481 B1. In addition, claims 1, 2, and 6 were rejected under 35 U.S.C. §102(e) as being anticipated by Doval, et al., U.S. Patent No. 6,494,558 B1, and claim 7 was rejected under 35 U.S.C. §103(a) as being unpatentable over Lee in view of Yoshimura, et al., 2003-0055.02/LII0596.US

U.S. Patent No. 6,439,684 B1. Applicants respectfully request reconsideration of the rejection of claims 1, 2, 6, and 7 in view of the following.

Applicants have amended claim 1 to include the subject matter of allowable claim 3, and accordingly, amended claim 1 is believed allowable. Claims 2, 6, and 7 depend from claim 1, and are accordingly believed allowable due to their dependence on otherwise allowable claim 1, as amended.

Applicants submit that no combination of the cited references teaches, discloses or suggests the subject matter of the appended claims. The appended claims are therefore in condition for allowance, and Applicants respectfully request withdrawal of all rejections and allowance of the claims.

In the event Applicants have overlooked the need for an extension of time, an additional extension of time, payment of fee, or additional payment of fee, Applicants hereby conditionally petition therefor and authorize that any charges be made to Deposit Account No. 20-0095, TAYLOR & AUST, P.C.

Should any question concerning any of the foregoing arise, the Examiner is invited to telephone the undersigned at (317) 894-0801.

Respectfully submitted,



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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MS Amendments, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on: March 14, 2005.

Ronald K. Aust, Reg. No. 36,735
Name of Registered Representative



Signature

March 14, 2005

Date